

The Claims

1. A film-forming composition for application to mammalian skin,
said composition comprising,
 - a) from about 0.3% to about 10% by weight of the total composition, of a graft
Copolymer, comprising a hydrophilic polymer main chain comprising monomeric units,
some of which have acidic groups, and a hydrophobic polymeric side chain comprising
polystyrene;
 - b) from about 0 to about 75% of water soluble polymer by weight, based on the
combined weights of the water soluble polymer and the graft Copolymer;
said composition further being comprised of hydrophilic or hydrophobic carriers or a mixture
of the same; and said composition forming a hydrophilic but water insoluble polymeric film
on the skin.
2. The film-forming composition of Claim 1, wherein said composition comprises from
about 0.3 to about 5% by weight of the graft Copolymer.
3. The composition of Claim 1, comprising from about 0.3% Copolymer to about 3%
Copolymer.
4. The composition of Claim 1, as a solution, emulsion, dispersion, lotion, cream, film,
or petrolatum or wax based preparation.
5. The film-forming composition of Claim 1, wherein said composition is a non-aqueous
formulation.
6. The film-forming composition of Claim 1, further comprising a biologically active
agent.
7. The film-forming composition of Claim 4, further comprising a biologically active
agent.
8. A method of treatment of mammalian skin comprising applying to the said skin, an
effective amount of a composition of Claim 1.

9. A skin moisturizer comprising the aqueous formulation of Claim 1.
10. The method of Claim 8, wherein the method of applying the composition is selected
5 from the group consisting of a spray, a roll-on, immersion, dipping, applying by brush, or
spattering.
11. A stable gel, comprising the homogenized formulation of
a) from about 0.3% to about 10% by weight of the total composition, of a graft
10 Copolymer, comprising a hydrophilic polymer main chain comprising monomeric units,
some of which have acidic groups, and a hydrophobic polymeric side chain comprising
polystyrene;
b) from about 0 to about 75% of water soluble polymer by weight, based on the
combined weights of the water soluble polymer and the graft copolymer;
15 in an aqueous formulation, said composition forming a hydrophilic but water-insoluble
polymeric film on the skin.
12. A foam stabilizer, comprising the composition of Claim 1.
- 20 13. A detergent comprising the foam stabilizer of Claim 12.
14. A shampoo comprising the foam stabilizer of Claim 12.
15. A hair conditioner comprising the composition of Claim 1.
- 25 16. A method of treatment of mammalian skin, comprising a transdermal, sustained
release of a biologically active agent from the film-forming composition comprising,
a) from about 0.3% to about 10% by weight of the total composition, of a graft
Copolymer, comprising a hydrophilic polymer main chain comprising monomeric units,
30 some of which have acidic groups, and a hydrophobic polymeric side chain comprising
polystyrene;
b) from about 0 to about 75% of water soluble polymer by weight, based on the
combined weights of the water soluble polymer and the graft copolymer;
c) an effective amount of the biologically active agent;

said composition further being comprised of hydrophilic or hydrophobic carrier or a mixture of the same; and

said composition forming a hydrophilic but water insoluble polymeric film on the skin.

- 5 17. A method of systemic treatment of mammal tissue, comprising a transdermal, sustained release of an active agent from the film-forming composition comprising,
- a) from about 0.3% to about 10% by weight of the total composition, of a graft Copolymer, comprising a hydrophilic polymer main chain comprising monomeric units, some of which have acidic groups, and a hydrophobic polymeric side chain comprising polystyrene;
- 10 b) from about 0 to about 75% of water soluble polymer by weight, based on the combined weights of the water soluble polymer and the graft copolymer;
- c) an effective amount of the biologically active agent;
- said composition further being comprised of hydrophilic or hydrophobic carrier or a mixture of the same; and
- 15 said composition forming a hydrophilic but water insoluble polymeric film on the skin.
18. A face make up, comprising the composition of Claim 1.
19. A lipstick comprising the composition of Claim 1.
- 20 20. A mascara comprising the composition of Claim 1.